



TABLE 302.2.4(2)
PRESCRIPTIVE BUILDING ENVELOPE REQUIREMENTS, TYPE A-1 RESIDENTIAL BUILDINGS
WINDOW AREA 12 PERCENT OF GROSS EXTERIOR WALL AREA

| HEATING DEGREE DAYS | MAXIMUM | | MINIMUM | | | | | | |
|------------------------|------------------|--------------------|--------------------------|------------------|--------------------------|-------------------------------------|-----------------------------|------|------|
| | Glazing U-factor | Ceiling R-value | Exterior wall R-value | Floor R-value | Basement wall R-value | Slab perimeter R-value and depth | Crawl space wall R-value | | |
| 0-449 | any | R-13 | R-11 | R-11 | R-0 | R-0 | R-0 | R-0 | R-0 |
| 500-999 | any | R-19 | R-11 | R-11 | R-0 | R-0 | R-0 | R-0 | R-4 |
| 1,000-1,499 | 0.75 | R-19 | R-11 | R-11 | R-0 | R-0 | R-0 | R-0 | R-5 |
| 1,500-1,999 | 0.75 | R-19 | R-11 | R-11 | R-4 | R-0 | R-0 | R-0 | R-5 |
| 2,000-2,499 | 0.65 | R-19 | R-13 | R-11 | R-5 | R-0 | R-0 | R-0 | R-5 |
| 2,500-2,999 | 0.60 | R-26 | R-13 | R-13 | R-5 | R-0 | R-0 | R-0 | R-5 |
| 3,000-3,499 | 0.60 | R-30 | R-13 | R-15 | R-6 | R-0 | R-0 | R-0 | R-6 |
| 3,500-3,999 | 0.60 | R-30 | R-13 | R-19 | R-8 | R-4, 2 ft. | R-4, 2 ft. | R-10 | R-10 |
| 4,000-4,499 | 0.55 | R-38 | R-13 | R-19 | R-9 | R-4, 2 ft. | R-4, 2 ft. | R-12 | R-12 |
| 4,500-4,999 | 0.50 | R-38 | R-14 | R-19 | R-9 | R-5, 2 ft. | R-5, 2 ft. | R-16 | R-16 |
| 5,000-5,499 | 0.45 | R-38 | R-16 | R-19 | R-9 | R-6, 2 ft. | R-6, 2 ft. | R-16 | R-16 |
| 5,500-5,999 | 0.45 | R-38 | R-17 | R-19 | R-9 | R-6, 2 ft. | R-6, 2 ft. | R-16 | R-16 |
| 6,000-6,499 | 0.40 | R-38 | R-18 | R-19 | R-10 | R-6, 4 ft. | R-6, 4 ft. | R-16 | R-16 |
| 6,500-6,999 | 0.40 | R-49 | R-21 | R-19 | R-10 | R-7, 4 ft. | R-7, 4 ft. | R-17 | R-17 |
| 7,000-8,499 | 0.40 | R-49 | R-21 | R-19 | R-10 | R-9, 4 ft. | R-9, 4 ft. | R-17 | R-17 |
| 8,500-8,999 | 0.40 | R-49 | R-21 | R-19 | R-16 | R-9, 4 ft. | R-9, 4 ft. | R-17 | R-17 |
| 9,000-12,999 | 0.40 | R-49 | R-21 | R-19 | R-16 | R-11, 4 ft. | R-11, 4 ft. | R-17 | R-17 |

For SI: 1 foot = 304.8 mm.

FIGURE 7A

TABLE 502.2.4(3)
PRESCRIPTIVE BUILDING ENVELOPE REQUIREMENTS, TYPE A-1 RESIDENTIAL BUILDINGS
WINDOW AREA IS PERCENT OF GROSS EXTERIOR WALL AREA

| HEATING DEGREE DAYS | MAXIMUM | | MINIMUM | | | | |
|------------------------|------------------|--------------------|--------------------------|------------------|--------------------------|-------------------------------------|------------------------------|
| | Glazing U-factor | Ceiling R-value | Exterior wall R-value | Floor R-value | Basement wall R-value | Slab perimeter R-value and depth | Crawl spaces wall R-value |
| 0-499 | any | R-13 | R-11 | R-11 | R-0 | R-0 | R-0 |
| 500-999 | 0.90 | R-19 | R-11 | R-11 | R-0 | R-0 | R-4 |
| 1,000-1,499 | 0.75 | R-19 | R-11 | R-11 | R-0 | R-0 | R-5 |
| 1,500-1,999 | 0.75 | R-26 | R-13 | R-11 | R-5 | R-0 | R-5 |
| 2,000-2,499 | 0.65 | R-30 | R-13 | R-11 | R-5 | R-0 | R-6 |
| 2,500-2,999 | 0.60 | R-30 | R-13 | R-19 | R-6 | R-4, 2 ft. | R-7 |
| 3,000-3,499 | 0.55 | R-30 | R-13 | R-19 | R-7 | R-4, 2 ft. | R-8 |
| 3,500-3,999 | 0.50 | R-30 | R-13 | R-19 | R-8 | R-5, 2 ft. | R-10 |
| 4,000-4,499 | 0.45 | R-38 | R-13 | R-19 | R-8 | R-5, 2 ft. | R-11 |
| 4,500-4,999 | 0.45 | R-38 | R-16 | R-19 | R-9 | R-6, 2 ft. | R-17 |
| 5,000-5,499 | 0.45 | R-38 | R-18 | R-19 | R-9 | R-6, 2 ft. | R-17 |
| 5,500-5,999 | 0.40 | R-38 | R-18 | R-21 | R-10 | R-9, 2 ft. | R-19 |
| 6,000-6,499 | 0.35 | R-38 | R-18 | R-21 | R-10 | R-9, 4 ft. | R-20 |
| 6,500-6,999 | 0.35 | R-49 | R-21 | R-21 | R-11 | R-11, 4 ft. | R-20 |
| 7,000-8,499 | 0.35 | R-49 | R-21 | R-21 | R-11 | R-13, 4 ft. | R-20 |
| 8,500-8,999 | 0.35 | R-49 | R-21 | R-21 | R-18 | R-14, 4 ft. | R-20 |
| 9,000-12,999 | 0.35 | R-49 | R-21 | R-21 | R-19 | R-18, 4 ft. | R-20 |

For SI: 1 foot = 304.8 mm.

FIGURE 7B

